

27th International Conference of Alzheimer's Disease International
7-10 March 2012 London, United Kingdom



Full Scientific Programme

V1.6 – timings subject to change

Thursday 8 March

08:00 – 18:00

Registration Open (Capital Hall, ICC)

07:45 – 08:45

Satellite Symposium: Introducing a new approach in AD

Rooms 14, 15 & 16, Capital Suite

Sponsored by Nutricia

Chair: C Ballard

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| | Clive Ballard | | Introduction – setting the scene |
| | I McKeith | | Hallmarks of AD, research and therapies so far |
| | P Kamphuis | | Introducing a new concept in AD, targeting synapse loss |
| | R Blesa | | A clinical trials program addressing synapse loss |

09:00 – 10:30

Plenary Session

Preparing for the Dementia Epidemic

Room 7-12, Capital Suite

Chair: Maria Van der Hoeven

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|-------|---------------|------|--|
| 09:00 | Glenn Rees | PL01 | Alzheimer's Associations as Agents of Change |
| 09:30 | Paul Burstow | PL02 | Preparing for the Dementia Epidemic: a Government Response |
| 10:00 | Martin Prince | PL03 | Global Research for Global Action |

10:30 – 11:00

Tea, Coffee, Exhibition and Posters

Capital Hall

11:00 – 12:30

Plenary Session

New diagnostics / New Lexicon of Alzheimer's Disease

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| Room 7-12, Capital Suite Chair: TBC | | | |
| 11:00 | Paul Aisen | PL04 | Diagnosis of Early Alzheimer's Disease: Implications for Drug Development |
| 11:30 | Bruno Dubois | PL05 | Diagnosing early Alzheimer's disease: the IWG criteria |
| 12:00 | Patricio Fuentes | PL06 | Is Early Diagnosis of Alzheimer's Disease Possible Without Biomarkers? |

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| 12:30 – 14:00 Lunch, Exhibition and Posters Capital Hall |
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| 12:45 – 13:45 Satellite Symposium: Demystifying the Clinical Trial Experience: Perspectives from the Patient, Caregiver and Healthcare Provider. Rooms 14, 15 & 16, Capital Suite <i>Sponsored by Pfizer</i> Chair: TBC |
| The session will contain inspirational testimony from Alzheimer's clinical researchers with perspectives from patients, caregivers and other key stakeholders discussing their clinical trial experience. |

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| 14:00 – 15:30 Parallel Session 1 New and Future Treatments Room 9 & 10, Capital Suite Chair: TBC | | | |
| 14:00 | <u>P. Link</u> , M. Wink | OC001 | Effects of liquorice on beta-amyloid aggregation and toxicity in caenorhabditis elegans. |
| 14:10 | <u>S. Abushakra</u> , R. Jones, C. Lyketsos, G. Crans | OC002 | EInd005 (scyllo-inositol) effects on emergence of neuropsychiatric symptoms (NPS) in mild/moderate Alzheimer's disease: results from a 78-week phase 2 study |
| 14:20 | M. A. Franco Martin, F. Gonzalez Palau, E. Parra, M. Bernate, R. Losada, Y. Ruiz, A. Solis, T. Cid, C. Turuelo INTERDEM http://www.interdem.org/ | OC003 | Long lasting memories: cognitive and physical training using new technologies in mild cognitive impairment. Usefulness and implementation in the community |
| 14:30 | <u>S. Gandy</u> , J. W. Steele, C. Barlow, M. Ehrlich, S. H. Kim | OC004 | Novel proneurogenic compound that lowers synaptic a β 42 generation in vitro shows cognitive benefit and reduced hippocampal levels of insoluble and oligomeric a β in vivo in Alzheimer's mouse model |

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| 14:40 | <u>D. Allsop</u> , M. Taylor, G. Jones, M. Fleeman, M. Gregori, M. Masserini | OC005 | Peptide inhibitor nanoparticles (pinps) - a surprisingly effective inhibitor of abeta aggregation |
| 14:50 | K. Roberts-Stride, I. James, R. Watson, C. Whitaker, <u>G. Stokes</u> , C. Hart, E. Moniz-Cook <i>INTERDEM</i> http://www.interdem.org/ | OC006 | Targeting specialist challenging behaviour interventions in aged care homes: can severe challenging behaviours be identified? |
| 15:00 – 15:30 | Questions | | |

14:00 – 15:30
Parallel Session 2
Molecular Research
Room 4, Capital Suite
Chair: TBC

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| 14:00 | <u>M. A. Moss</u> , F. J. Gonzalez-Velasquez, J. W. Reed, J. W. Fuseler, J. A. Kotarek, D. D. Soto-Ortega. | OC007 | Activation of endothelium in Alzheimer's brain involves soluble aggregates of the amyloid-beta protein |
| 14:10 | <u>R. Itzhaki</u> , A. L. Frost, C. Preston, M. Wozniak | OC009 | Herpes simplex virus type 1 (hsv1) and Alzheimer's disease: the case for antiviral treatment |
| 14:20 | <u>F. Misitj</u> , C. Carellialinovi, B. Sampaolese, B. Giardina | OC010 | Mechanisms responsible for beta-amyloid- dependent reduction of erythrocyte deformability |
| 14:30 | <u>R. Martins</u> , T. Shah, G. Verdile, H. Sohrabi, C. Cheetham, E. Putland, C. Gregory, A. Mondal | OC011 | Physical activity and cognitive stimulation improves cognition and increases plasma BDNF levels in healthy older adults |
| 14:40 | <u>O. Baiyewu</u> on behalf of the <i>Indianapolis-Ibadan Dementia Research Group</i> | OC012 | The relationship between homocysteine and incident dementia in elderly African Americans and elderly Nigerians. |
| 14:50 – 15:30 | Questions | | |

14:00 – 15:30
Parallel Session 3
Living with Dementia: Battling for Diagnosis and Treatment
Room 8 & 11, Capital Suite
Chair: Richard Taylor

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| 14:00 | Jennifer Bute | LD1 | Battling for diagnosis and treatment |
| 14:15 | Carol Cronk | LD2 | Battling for diagnosis and early treatment |

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| 14:30 | TBC | | |
| 14:45 | TBC | | |
| 15:00 – 15:30 | Discussion | | |

14:00 – 15:30
Parallel Session 4

Technology

Room 7 & 12, Capital Suite

Chair: TBC

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| 14:00 | <u>K. H. Goh</u> , F. Shamsuddin <i>and DBrain Project</i> | OC013 | An integrated dementia care and resource centre - developing and sharing resources to improve qol of people with dementia and carers |
| 14:10 | <u>S. Zwijsen</u> , M. F. Depla, S. te Boekhorst, A. L. Francke, C. M. Hertogh | OC014 | Assistive technology as an alternative to physical restraints in nursing homes for people with dementia |
| 14:20 | <u>M. Boulay</u> , M. Pino, A.-S. Rigaud and <i>RNTS- ANR-TANDEM project</i> | OC015 | Designing software for elderly suffering from cognitive impairments |
| 14:30 | <u>R. Alegria</u> , C. M. Santana, C. P. Gallo, M. G. Bolso, C. M. Bottino, M. I. Nogueira | OC016 | Enhancing verbal communication between Alzheimer's disease patients and caregivers: linguistic and social strategies |
| 14:40 | <u>N. Savitch</u> , D. Brooks, S. Wey | OC017 | Involving people with dementia in the development of at guide – an online tool to support decision making around assistive technology |
| 14:50 – 15:30 | Questions | | |

14:00 – 15:30

Parallel Session 5

Person Centered Care I

Room 14, 15 & 16, Capital Suite

Chair: TBC

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| 14:00 | <u>S. Dupuis</u> , L. Loisele | OC018 | "A changing melody is the most important thing we do": learning from regional experiences |
| 14:10 | <u>J. Macneil Vroomen</u> , L. D. van Mierlo, P. van der Ven, J. Bosmans, F. Meiland, E. Moll van Charante, H. P. van Hout, S. De Rooij | OC019 | Case management of people with dementia and caregivers (the compass study): the design of a multifaceted study comparing Dutch case management models in dementia |
| 14:20 | <u>G. Carey</u> | OC020 | First link- accelerating innovation in community-based dementia care |

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| 14:30 | <u>K. Watchman</u> | OC021 | Intellectual disability and dementia communication strategies to enable inclusion in research |
| 14:40 | B. Draper, N. Chan, R. Karmel, D. Gibson, A. Peut, C. Hudson, P. Anderson, K. Bail, L. Grealish | OC022 | The hospital dementia services project: the state-wide effects of person-based and hospital-based factors on outcomes of hospitalisation for people with dementia |
| 14:50 | <u>K. Swaffer</u> | OC023 | Person centered care: an insider's view |
| 15:00 – 15:30 | Questions | | |

14:00 – 15:30

Parallel Session 6

ADI Workshop: The Alzheimer Movement: Using Advocacy to Generate Awareness and Change

Room 17, Capital Suite

Chair: Mike Splaine

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| 14:00 | <p>Featuring: Alan Arnette, Seven Summits Climb for Alzheimer's (Abstract W2) Kate Fearnley, Alzheimer Scotland Meera Pattabiraman, Alzheimer's Disease and Related Disorders Society, India Marc Wortmann, Executive Director, ADI Toby Williamson, Mental Health Foundation (Abstract W3) Martin Sewell, Scottish Dementia Working Group (Abstract W4)</p> <p>This workshop will use a lively case study discussion on techniques to use public awareness events to generate support for the dementia cause such as the 7 Summit Climb for Alzheimer's. Specific advocacy campaigns from India and Scotland will be shared, and participants will get a brief on two new awareness opportunities in 2012—Country Reports and the release on World Health Day of a World Health Organization (WHO) report on dementia.</p> | | |
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15:30 – 16:00

Tea, Coffee, Exhibition and Posters

Capital Hall, ICC

16:00 – 17:30

Parallel Session 7

Diagnosis

Room 9 & 10, Capital Suite

Chair: TBC

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| 16:00 | <u>L.-W. Chu</u> , C. Chan, Y. Song | OC027 | Low BMI predicts incident Alzheimer's disease in older adults with amnesic mild cognitive impairment. A 3-year prospective cohort study |
| 16:10 | <u>R. Uwakwe</u> , I. A. Modebe, I. Njelita, T. Mbachii | OC028 | Screening for memory impairment in community dwelling older adults in rural Nigeria: use of the short blessed memory test |

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| 16:20 | <u>S. Barbash</u> , H. Soreq | OC029 | Temporal changes in functional gene group expression occur early in Alzheimer's disease progression |
| 16:30 | <u>A. Strydom</u> , K. Courtenay | OC030 | The London ADSID project – a clinical research database of dementia in older adults with down syndrome and intellectual disabilities |
| 16:40 | <u>R. Van Der Linde</u> , B. C. Stephan, F. E. Matthews, C. Brayne, G. M. Savva | OC031 | The presence of behavioral and psychological symptoms and progression to dementia in the cognitively impaired older population |
| 16:50 | <u>S.-M. Paddick</u> , A. Longdon, A. Kisoli, C. Dotchin, W. K. Gray, F. Dewhurst, M. Dewhurst, A. Teodorczuk, R. Walker | OC032 | The prevalence of behavioral and psychological symptoms of dementia in rural Tanzania |
| 17:00 – 17:30 | Questions | | |

16:00 – 17:30

Parallel Session 8

Imaging and Biomarkers

Room 4, Capital Suite

Chair: TBC

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| 16:00 | <u>C. W. Ritchie</u> , L. Flicker, A. Noel-Storr, R. McShane | OC033 | A systematic review of the quality and reporting standards of longitudinal biomarker studies in dementia and recommendations |
| 16:10 | <u>A. Lebedev</u> , D. Aarsland, M. K. Beyer | OC034 | Cortical changes associated with depression in Alzheimer's disease: surface-based MRI morphometric study. |
| 16:20 | <u>R. N. Martins</u> , S. Gardener, S. R. Rainey-Smith, Y. Gu, K. Taddei, S. M. Laws, V. B. Gupta, D. Ames, K. A. Ellis, R. Head, S. L. Macaulay, C. L. Masters, C. C. Rowe, C. Szoeki, P. M. Clifton, J. B. Keogh, N. Scarmeas <i>and the AIBL Research Group.</i> | OC035 | Diet, neuroimaging biomarkers and Alzheimer's disease: data from the Australian imaging, biomarkers and lifestyle study of ageing |
| 16:30 | <u>B. Zhou</u> , Y. Liu, X. Zhang, L. Wang and Cognitive Disorder Diagnosis Work Group of Chinese PLA General Hospital | OC036 | Impaired thalamus connectivity pattern in Alzheimer's disease and mild cognitive impairment: a resting state FMRI study |
| 16:40 | <u>D. Ames</u> , K. Ellis, C. Masters, R. Martins, C. Rowe, C. Szoeki, L. Macauley, T. O'Meara, A. T. A. investigators, S. Rainey Smith, K. Taddei | OC037 | Three year follow up results from the Australian imaging biomarkers and lifestyle study of ageing |

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| 16:50 – 17:30 | Questions | | |
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16:00 – 17:30

Parallel Session 9

Living with Dementia: Life History

Room 8 & 11, Capital Suite

Chair: Helga Rohra

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| 16:00 | Peter Ashley | LD3 | Living With Dementia - Life Story. The "Portrait Of A Life" Toolkit |
| 16:15 | Istvan Kappeter | LD4 | Hungarian special teacher, psychiatrist and autodidact futurist: Living with AD since 2006 |
| 16:30 | Ross Campbell | | TBC |
| 16:45 | TBC | | |
| 17:00 – 17:30 | Questions | | |

16:00 – 17:30

Parallel Session 10

Quality of Life

Room 14, 15 & 16, Capital Suite

Chair: TBC

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| 16:00 | K. Wolf-Ostermann, A. Worch, S. Meyer, J. Gräske | OC038 | Does improvement in quality of care lead to better quality of life? - results from a longitudinal study in German shared-housing arrangements |
| 16:10 | <u>J. Wilkie</u> | OC039 | Exploration of institutional dementia care: social engagement and the use of physical restraints |
| 16:20 | <u>I. Ulstein</u> , K. Kvaal <i>INTERDEM</i> http://www.interdem.org/ | OC040 | High prevalence of anxiety symptoms in spouses of demented persons |
| 16:30 | <u>H. Verbeek</u> , S. Zwakhalen, E. van Rossum, G. Kempen, J. Hamers | OC041 | Quality of life in small-scale, homelike care environments: a quasi-experimental study into effects on residents. |
| 16:40 | <u>M. Miyamoto</u> , D. R. George, P. J. Whitehouse | OC042 | Renaming dementia in Japan: the change process and its influence |
| 16:50 | <u>L. Jackson</u> | OC043 | Taking an active part in decisions affecting my later life: an adventure |
| 17:00 – 17:30 | Questions | | |

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| 16:00 – 17:30 Parallel Session 11 Stigma Room 7 & 12, Capital Suite Chair: TBC | | | |
| 16:00 | <u>M. Ouwehand</u> , M. Blom | OC044 | Alzheimer experience |
| 16:10 | <u>D. Gove</u> , M. Downs, M. Vernooij-Dassen, R. Newell INTERDEM http://www.interdem.org/ | OC045 | General practitioners' perceptions of dementia as a stigma and their perceptions of lay people's perceptions of dementia as a stigma: implications for action |
| 16:20 | <u>A. Kokou</u> | OC046 | Dementia faces in to go: what can we do to overcome these realities? |
| 16:30 | <u>L. Cartz Piver</u> , A. Faure, P. Nubukpo, H. Videaud, N. Dumoitier, P. Couratier, J. P. Clement | OC047 | The stig-ma survey: a study of social representations and stigma of Alzheimer's disease in a French rural population |
| 16:40 | <u>G. Mcgettrick</u> | OC048 | Slaying the dementia dragon: Alzheimer organisations responding to stigma and social isolation |
| 16:50 | <u>R. Taylor</u> | OC049 | Living without the stigmas of dementia |
| 17:00 – 17:30 | Questions | | |

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| 16:00 – 17:30 Parallel Session 12 ADI Workshop: 10/66 Dementia Research Group Room 17, Capital Suite Chair: Martin Prince | |
| | <p>The 10/66 Dementia Research Group has been working continuously since 1998 to develop an evidence-base for policymakers and practitioners, to encourage the development of more and better care for people with dementia worldwide.</p> <p>This year's symposium allows us to pause and reflect upon what we have learnt, and to receive comments and feedback from ADI's broad membership on the past and future direction of the research program.</p> <p>The group's 80 publications to date have focussed upon findings from our pilot studies in 26 centres, and our population-based research studies in 12 sites in India, China, Latin America and Africa. The evidence generated has formed an important part of ADI's World Alzheimer Reports on the global prevalence of dementia, the numbers affected, and the societal impact and costs. Incidence studies in China and Latin America were completed in 2010, with findings on new cases, and risk factors now also beginning to emerge.</p> <p>A new 10/66 study, funded by the UK Department for International Development and the Economic</p> |

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| | <p>and Social Research Council (DFID/ ESRC) will be focussing on the economic impact on wider households of the onset of needs for care among older people in China, Nigeria, Mexico and Peru.</p> <p>The group is also focussing, increasingly, on the need to develop and evaluate simple and helpful community-based interventions for people with dementia that do not rely upon specialists to deliver them. The 10/66 'Helping Carers to Care' intervention is a starting point, but how do we ensure that this is integrated into a widely available package of comprehensive diagnosis, assessment, care and support, across the course of the illness?</p> |
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17:45 – 18:45

Satellite Symposium: The Living Environment: Providing Dementia-Friendly Settings Within Care Homes And Hospitals - Innovation Aligned With Tradition

Sponsored by Bupa Care Services

Room 14, 15 & 16, Capital Suite

Chair: TBC

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| | <p>Designers should view the needs of people living with dementia as being no different from anybody else and then progress to helping them live with high levels of cognitive, sensory and physical disability. Through the medium of visual and video material, and the interactive website bettercarehomes.org this symposium will illustrate how designers and care providers need to balance support for failing abilities through the creation of prosthetic and enriched environments with a requirement to design pleasing and meaningful buildings. The symposium will look at design initiatives that have helped provide a sense of belonging in private space, delivered supportive interior layouts, and transformed shared communal areas into meaningful 'worlds' to visit.</p> <p><i>Speakers:</i> Graham Stokes, Divisional Director of Dementia Care, Bupa Care Services Gregor Timlin, Senior Research Associate, Helen Hamlyn Centre for Design, Royal College of Art Sarah Waller, Programme Director, Enhancing the Healing Environment Programme, The Kings Fund.</p> |
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